



Manpower Standard

AIRCRAFT CREW

This Air Force Manpower Standard (AFMS) quantifies the manpower required to accomplish the tasks described in the process oriented description for varying levels of workload. This AFMS specifies the determination of manpower required to support the aircraft crew segment of the manned aircraft flying mission of the Air Force. Aircraft crew authorizations are determined by application of HQ USAF-approved crew ratios and compositions. AFI 38-201, *Determining Manpower Requirements*, specifies that in addition to crew ratios and compositions, HQ USAF-approved command or Air Force standards may be used to establish authorizations for functional account code (FAC) 31XX. This AFMS applies to all units and weapons systems for which crew ratios and compositions are listed in AFI 65-503, *US Air Force Cost and Planning Factors*. AFM 1-1 (will eventually become AFDD1), *Basic Aerospace Doctrine of the US Air Force*, establishes the fundamental principles for the creation and employment of aerospace forces in support of national objectives. Aircraft Crew, FAC 31XX, requirements have been developed in response to current operational concepts under which these forces are employed in support of national interests of the United States. AFMAN 38-208, *Air Force Management Engineering Program (MEP)*, is the governing manpower regulation. Send comments and suggested improvements on AF Form 847, **Recommendation for Change of Publication**, through channels, to AFCQMI/MQAA, 550 E Street East, Randolph AFB, Texas 78150-4451.

★SUMMARY OF CHANGES

This AFMS supersedes AFMS 31XX, 6 August 1996. This standard is revised to update the points of contact paragraph and organizational designations. AFMEA is changed to AFCQMI.

1. Standard Data:

- 1.1. **Approval Date.** March 1982
- 1.2. **Man-hour Data Source.** Not applicable
- 1.3. **Standard Man-hour Equation.** Not Applicable
- 1.4. **Workload Factor.** Not applicable
- 1.5. **Points of Contact:**
 - 1.5.1. **Functional Representative.** Lt Col Joe Corso, XOOT, DSN 224-4002
 - 1.5.2. **AFCQMI Representative.** TSgt Dalton Myrie, MQAA, DSN 487-5910 ext. 3209

2. Application Instructions. Crew ratios and compositions are published in AFI 65-503. Aircrew grade distribution is the prerogative of the MAJCOMs as constrained by their annual grade allocation from HQ USAF. Aircraft crew requirements are determined by the following equation: aircraft crew ratio x crew composition (number of crew members per crew) x unit operational aircraft authorized. The crew ratios and compositions are submitted to HQ USAF/XOOTW for validation and approved IAW AFI 11-401, *Flight Management*, para 1-19. In general, these

factors are determined as logical integration of (a) combat readiness requirements, (b) aircrew mission qualification, (c) lead time required to adjust procurement and/or training of aircrews, and (d) operational requirements. The resulting crew ratio and/or composition normally is derived from both historical and programmed statistical data, at times employing either or both conventional work measurement and simulation.

3. Statement of Conditions. The flying squadron is the administrative hub of aircrew operations management. It is the function where individuals employed within this functional account prepare, plan, brief and debrief missions; receive distribution; update publications; and congregate as necessary to exchange information and accomplish administrative requirements associated with the operational mission. The squadron should be a clean, well-lighted place with sufficient space and functional layout to facilitate working with maps and charts. Planning documents, reference material, and briefing aids should be available as required. A distribution area to include appropriate means of identifying immediate action changes to documents governing operational requirements should be centrally located. Adequate senior operational expertise should be available to assist and direct operations. Adequate administrative and operations management personnel should be available to perform nonaircrew-related duties associated with the functioning of the parent organization.

RUDY K. BRUBACK, Lt Col, USAF
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Attachment
Process Oriented Description

PROCESS ORIENTED DESCRIPTION

AIRCRAFT CREW

AIRCRAFT CREW DUTIES. Accomplishes inflight duties in accordance with technical order (-1) governing operation of the particular weapons system. Performs briefing, debriefing, mission planning, preflight, training, annual checks and examinations, weather delays, standby alerts, and minor administrative and squadron duties.